

DT03 Rec'd PCT/PTO 17 DEC 2004

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

CERTIFICATE UNDER 37 CFR 1.10

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Date of Deposit: December 17, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Commissioner for Patents, MAIL STOP PCT, P.O. Box 1450, Alexandria, VA 22313-1450.

By:

Name: Kelly S. Waltigney

Attorney Docket No: STFD.035US		U.S. Application No. (If known, see 37 CFR 1.5) 10/518779	
International application No. PCT/US2003/019279	International filing date (day/month/year) 19 June 2003 (19.06.2003)	Priority date claimed 19 June 2002 (19.06.2002)	
Title of Invention INSULATED-GATE SEMICONDUCTOR DEVICE AND APPROACH INVOLVING JUNCTION-INDUCED INTERMEDIATE REGION			
Applicant(s) for DO/EO/US Kailash GOPALAKRISHNAN; James D. PLUMMER.			

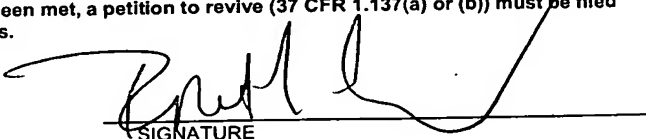
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ The International Application was filed in the English Language. (35 U.S.C. 371 (c)(2))
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendment has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendment to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An UNEXECUTED oath or Combined Declaration & Power of Attorney by inventor(s) (3 sheets).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A PRELIMINARY AMENDMENT to the specification (3 pages).
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154 (d)(4).
20. ☒ Other items or information: Form PCT/IB/308; and a return postcard.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/518779		INTERNATIONAL APPLICATION NO. PCT/US2003/019279		ATTORNEY'S DOCKET NUMBER STFD.035US	
21. The following fees are submitted: SMALL-ENTITY				Applicant use	Office use only
<input checked="" type="checkbox"/> a) Basic national fee..... \$300.00				\$ 150.00	
<input checked="" type="checkbox"/> b) Examination fee..... \$200.00				\$ 100.00	
<input checked="" type="checkbox"/> c) Search fee..... \$500.00				\$ 250.00	
TOTAL OF ABOVE CALCULATIONS = \$1000.00				\$ 500.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				N/A	
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250.00	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$ 65.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	43 - 20 =	23	x \$50.00	\$ 575.00	
Independent claims	12 - 3 =	9	x \$200.00	\$ 900.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 2040.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
SUBTOTAL =				\$ 2040.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
TOTAL NATIONAL FEE =				\$ 2040.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$ 2040.00	
Amount to be refunded:					\$
Amount to be charged					\$
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>50-0996</u> in the amount of \$ <u>2040.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-0996</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO:					
 SIGNATURE ROBERT J. CRAWFORD, ESQ. NAME 32,122 REGISTRATION NUMBER					

Receipt of the following papers for National Entry of the International Application under 37 U.S.C. 371 is hereby acknowledged with the return of this postcard by the EO/US Patent & Trademark Office:

Applicants: GOPALAKRISHNAN et al.,
For: INSULATED-GATE SEMICONDUCTOR DEVICE AND APPROACH
INVOLVING JUNCTION-INDUCED INTERMEDIATE REGION

Docket No.: STFD-035US (S00-210US)

Express Mail No.: EV 469547225 US

Date of Deposit: December 17, 2004

Earliest Priority Date Claimed: 19 June 2002

- ☒ Transmittal Letter to the EO/US (Form PTO-1390) with executed Certificate under 37 CFR 1.10; 2 pgs w/copy of transmittal of filing fees (pg. 2).
- ☒ Express authority is given to charge/credit Deposit Account 50-0996 \$2040.00 and all required SMALL-ENTITY fees to complete this filing.
- ☒ Copy of Form PCT/IB/308, conclusively evidencing transmission of the international application (PCT/US02/07530) to the EO/US.
- ☒ Unexecuted Combined Declaration and Power of Attorney (3 pages); wherein the inventors are identified.
- ☒ Preliminary Amendment to specification (3 pages).

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10/518779